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8/25/89

# Washington Annual Data Summary

Water Year 1988

United States  
Department of  
Agriculture

Soil  
Conservation  
Service

Spokane,  
Washington



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# Foreword

This report summarizes the snow water equivalent and precipitation data collected during this water year. This information was utilized in preparing the Soil Conservation Service Water Supply Outlook Reports, January 1st through June 1st. These data were obtained using a combination of manual and automated measurement methods and are presented as a historical summary.

Copies of this Annual Data Summary and Monthly Water Supply Outlook Reports may be obtained from the states listed below. Historical snow survey data may be obtained at those same offices. Computer access to water supply information may be gained through the Centralized Forecast System (CFS) at Portland, Oregon. For more information contact the state offices listed below.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola Ave., Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Building A, 3rd floor, Denver, CO 80211
Idaho	3244 Elder Street, Room 124, Boise, ID 83705
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	W. 920 Riverside, Room 360, Spokane, WA 99201-1080
Wyoming	Federal Building, 100 "B" Street, Room 3124, Casper, WY 82601

Annual and historical information is prepared by other agencies including: NOAA — State Climatological Annual Summaries, N.C.D.C., Asheville, NC 28801; California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

## An Annual Summary

## For More Information

## Other Sources

# Washington Annual Data Summary

of

## Federal – State – Private Cooperative Snow Surveys

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# SNOW COURSE DATA — WY 1988 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
AHTANUM R.S.	3100	12/21	14	3.3	1/25	22	5.6	2/22	16	5.6	3/30	5	1.7	5/3	0	.0			
ALPINE MEADOWS	3500							2/25	66	25.9	3/31	104	39.5						
BAIRD	3220				1/28	20	4.4	2/25	23	5.5	3/28	17	5.0						
BAIRD #2	3220				1/28	20	4.6	2/25	25	6.3	3/28	19	6.1						
BALD MOUNTAIN	3200				1/26	50	18.3	2/29	61	28.3									
BEAVER CREEK TRAIL	2200				1/27	26	8.5	2/26	24	8.7	3/29	21	9.0	4/29	0	.0			
BEAVER PASS	3680				1/27	54	18.2	2/25	61	21.8	3/30	81	28.2	4/28	64	28.0			
BEEHIVE SPRINGS	4400							2/24	17	5.7	3/28	5	1.0						
BERNE-MILL CREEK	3170				1/29	60	18.7	2/29	59	23.8	3/30	76	26.7	4/29	52	23.5			
BIG BOULDER CREEK	3200	12/30	34	7.8	1/26	47	13.0	2/23	44	15.2	3/29	53	17.2	4/27	0	.0			
BLEWETT PASS #2	4270				1/27	34	10.1	2/26	33	11.3	3/30	30	9.9	4/29	0	.0			
BOYER MOUNTAIN	5250							2/29	45	14.5	3/29	57	18.8						
BRIEF	1600				1/25	25	6.1	2/25	18	6.2									
BROWN TOP	6000				1/27	97	32.0	2/25	110	39.6	3/30	148	53.4	4/28	128	59.0			
BUMPING LAKE	3450	12/30	28	7.3	1/28	36	10.3	2/25	28	10.7	3/30	25	9.1	4/29	0	.0			
RUMPING LAKE (NEW)	3400	12/30	32	8.7	1/28	42	13.1	2/25	36	12.2	3/30	34	12.5	4/29	0	.0			
BUNCHGRASS MEADOWS	5000	Est	-	8.0	Est	-	13.0	2/29	52	17.6	3/29	74	23.5	Est	-	11.2	Est	-	.0
RUTTE CREEK	4070				1/29	22	5.0	2/26	23	5.6	3/29	26	6.6						
BUTTE CK #2	4070				1/29	23	5.1	2/26	23	5.7	3/29	28	6.8						
CARROL PASS	3650	1/2	44	14.1	1/31	61	22.8	2/27	54	23.6	3/31	78	34.6	5/2	65	26.4	5/31	10	5.7
CAYUSE PASS	5300				1/25	128	36.9	2/24	114	44.2	4/1	153	58.8						
CHEWALAH	4930				1/28	25	6.6	2/24	30	9.7	3/28	37	12.2						
CHEWALAH #2	4930				1/28	26	7.2	2/24	33	9.9	3/28	40	11.9						
CHIWAUKUM G.S.	2500	12/31	28	5.1	1/29	28	10.2	2/29	25	7.3	3/30	17	4.7	4/29	0	.0			
CITY CABIN	2390							2/25	20	8.8	3/31	22	8.5						



# SNOW COURSE DATA — WY 1988 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
CLOUDY PASS AM	6500				1/26	56	19.6	2/23	65	25.4	3/30	101	37.9						
COLOCKUM PASS	5370				1/29	36	11.3	2/26	32	10.7	4/1	30	11.3						
CORRAL PASS	6000				1/30	70	22.2	2/26	70	27.7	3/31	101	35.3						
COUGAR MOUNTAIN	3200										Est	60	22.4						
COX VALLEY	4500				1/29	87	27.7	2/28	81	33.2	3/31	118	46.8	4/29	96	45.2			
DEER PARK	5200				2/1	52	16.1	2/29	41	15.1	3/29	60	20.3	4/27	39	17.6			
DEVILS PARK	5900				1/27	66	21.6	2/25	76	26.6	3/29	121	36.0	4/28	85	37.2			
DOCK BUTTE AM	3800	1/6	64	20.5	2/1	90	32.4	3/11	134	47.7	4/11	154	64.7	4/26	125	61.3	6/9	68	37.5
EASY PASS AM	5200	1/6	53	17.0	2/1	88	31.1	3/11	150	53.1	4/11	214	81.2	4/26	166	78.0	6/9	122	67.8
FISH LAKE	3370	12/29	44	12.5	1/26	64	18.9				3/29	78	27.6	4/28	31	14.6			
FREEZEOUT CK. TRAIL	3500				1/27	25	7.7	2/26	28	8.5	3/30	34	10.6	4/29	13	6.1			
GOAT CREEK	3600				1/29	20	4.7	2/26	16	4.4	3/29	16	1.6						
GRANITE CREEK	3500				1/27	36	9.4	2/25	41	12.8	3/30	61	18.0	4/28	22	8.4			
GRASS MOUNTAIN NO. 3	2100	1/2	9	1.3	1/31	14	3.7				4/7	10	4.0	5/3	0	.0	5/31	0	.0
GREEN LAKE	6000				1/25	58	21.8	2/22	66	27.6	3/29	85	31.8						
GROUSE CAMP	5380				1/28	35	11.8	2/29	31	11.3	3/31	37	13.5						
HARTS PASS	6500				1/28	66	21.0	2/25	63	26.1	3/30	106	33.3	4/29	81	35.5			
HURRICANE	4500				1/27	48	14.8	2/27	43	16.6	3/28	71	22.8	4/30	52	22.5			
JASPER PASS AM	5400	1/6	89	28.5	2/1	130	42.9	3/11	160	57.0	4/11	205	77.9	4/26	167	81.8	6/9	134	74.2
KELLER RIDGE	3700										4/4	0	.0	4/26	0	.0			
KROMONA MINE	2600				1/26	32	12.2	2/29	47	22.7	3/31	79	29.8	4/26	51	26.0	5/24	4	2.4
LAKE CLE ELUM	2200	12/30	16	3.0	1/27	20	5.1	2/24	7	2.7									
LESTER CREEK	3100	1/2	28	7.1	1/31	40	10.1	2/27	43	15.7	4/7	64	25.0	5/3	45	19.2	5/31	0	.0
LITTLE MDWS AM	5280				1/26	88	30.8	2/23	105	39.9	3/30	130	48.8						
LYMAN LAKE	5900				1/26	96	33.8	2/23	111	42.3	3/30	147	54.8						



# SNOW COURSE DATA — WY 1988 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
LYNN LAKE	4000	1/2	25	6.0	1/31	37	12.3	2/27	36	13.7	4/7	63	26.0	5/3	50	20.7	5/31	0	.0
MARTEN LAKE AM	3600	1/6	68	21.8	2/1	91	32.8	3/11	142	50.0	4/11	166	69.7	4/26	144	72.0	6/9	96	52.9
MEADOWS CABIN	1900				1/28	12	4.1	2/26	13	5.4	3/30	11	3.3	4/28	0	.0			
MERRITT	2140	12/31	30	7.0	1/28	41	10.0	2/29	27	10.7	3/30	20	7.2	4/29	0	.0			
MIDDLE SULTAN	2800				1/26	25	8.6	2/29	28	12.8	3/31	50	19.7	4/26	13	5.9	5/24	0	.0
MISSION (OMAK)	1150										4/4	0	.0	4/26	0	.0			
MISSION RIDGE	5000				1/26	39	11.4	2/24	41	9.6	3/28	36	12.2						
MOUNT TOLMAN	2000										4/4	0	.0	4/26	0	.0			
MT. BLUM AM	5800	1/6	40	12.8	2/1	67	23.6	3/11	117	41.1	4/11	175	69.2	4/26	136	65.3	6/9	116	63.8
MT. GARDNER	3300							2/25	24	10.2	3/31	28	10.7						
MUTTON CREEK #1	5700				1/29	40	11.7	2/25	35	12.6	3/30	38	13.5						
NEW HOZOMEEN LAKE	2800				1/27	26	7.0	2/25	26	8.0	3/30	33	10.3	4/29	0	.0			
OLALLIE MEADOWS	3630				1/28	51	19.2	2/26	64	27.3	3/31	97	39.9						
OLNEY PASS	3250				1/26	21	7.9	2/29	26	13.4	3/31	57	21.6	4/26	19	9.4	5/24	0	.0
PARADISE PARK R S	5500				2/4	89	31.5	2/24	103	40.9	4/2	142	63.8						
PARK CREEK RIDGE	4600				1/25	53	14.9	2/25	48	16.6	3/28	46	17.0						
POPE RIDGE	3540																		
RAGGED RIDGE	3330	1/1	14	2.8				2/27	34	12.0									
RAINY PASS	4780				1/28	72	22.8	2/25	82	28.4	3/29	118	37.0	4/28	84	39.8			
ROCKY CREEK AM	2100	1/6	27	7.7	2/1	38	14.4	3/11	64	23.0	4/11	78	35.1	4/26	51	28.6	6/9	0	.0
RUSTY CREEK	4000				1/29	21	4.8	2/25	18	4.6	3/30	6	2.1	4/27	0	.0			
SF THUNDER CK AM	2200	1/6	9	2.9	2/1	4	1.4	3/11	0	.0	4/11	0	.0	4/26	0	.0	6/9	0	.0
SALMON MEADOWS	4500				1/29	27	6.8	2/25	24	6.6	3/30	22	7.4	4/27	0	.0			
SAWMILL RIDGE	4700	1/2	36	10.6	1/31	53	17.6	2/27	58	22.1	4/7	84	34.0	5/3	65	26.0	5/31	50	19.6
SCHREIBERS MDW AM	3400	1/6	60	19.2	2/1	74	27.8	3/11	98	35.0	4/11	122	54.9	4/26	90	45.9	6/9	54	29.7

# SNOW COURSE DATA — WY 1988 (DEPTH & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
STEMILT SLIDE	5000				1/26	36	11.1	2/24	30	10.1	3/29	21	7.0						
STEVENS PASS SAND SD	3700	12/30	48	15.2	1/29	69	22.7	2/29	65	26.8	3/30	94	33.7	4/29	49	22.2	5/31	3	1.4
STICKNEY RIDGE	3640				1/26	63	20.6	2/29	85	35.4	3/31	134	54.2	4/26	105	49.2	5/24	61	34.1
SUMMIT G.S.	4600				1/29	21	4.9	2/26	23	5.4	3/29	23	6.1						
SUMMIT TRAIL	3840										4/4	0	.0	4/26	0	.0			
THUNDER BASIN	2400				1/28	57	14.6	2/26	52	17.6	3/30	71	22.4	4/28	48	19.0			
TOGO	3370				1/28	22	6.2	2/25	22	6.4	3/30	24	7.0						
TUNNEL AVENUE	2450	12/28	25	6.5	1/25	38	11.5	2/22	34	12.1	3/28	36	13.1	4/26	16	6.9	5/26	0	.0
TWIN CAMP	4100	1/2	29	8.7	1/31	44	15.3	2/27	50	20.5	4/7	68	28.0	5/3	50	22.3	5/31	0	.0
TWIN LAKES	2700										4/4	0	.0	4/26	0	.0			
UPPER WHEELER	4400				1/26	22	6.1	2/24	15	5.1	3/29	2	.3						
WATSON LAKES AM	4500	1/6	59	18.9	2/1	86	30.4	3/11	116	41.5	4/11	150	60.0	4/26	120	58.8	6/9	62	34.2
WHITE PASS E.S.	4500	12/31	27	4.0	1/30	44	12.9	2/26	45	15.3	3/27	60	16.1						



# SNOTEL SWE's — WY 1988 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK			
															START DATE	MAX SWE	MAX DATE	MELTOUT DATE
BLEWETT PASS	4270	1st 15th	.0 .0	.0 .4	.7 6.7	8.8 11.2	12.3 13.9	14.2 14.7	16.3 10.0	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/13	16.3	4/1	4/26
BUMPING RIDGE	4600	1st 15th	.0 .0	.0 .1	1.7 7.6	10.3 13.1	15.2 17.8	18.5 19.3	24.0 22.6	19.8 15.5	3.3 .0	.0 .0	.0 .0	.0 .0	11/20	24.8	4/10	6/8
BUNCHGRASS MDW	5000	1st 15th	.0 .0	.0 .5	3.4 7.0	7.6 11.0	12.6 15.5	15.4 19.1	22.5 20.8	15.3 9.4	.0 .0	.0 .0	.0 .0	.0 .0	11/13	23.5	4/8	5/28
CORRAL PASS	6000	1st 15th	.0 .0	.0 .7	3.6 12.3	14.5 19.1	21.8 25.6	26.3 29.8	37.1 39.4	37.6 35.4	28.1 22.8	2.0 .0	.0 .0	.0 .0	11/13	40.6	4/12	7/3
COUGAR MOUNTAIN	3200	1st 15th	.0 .0	.0 .4	2.4 3.5	6.8 9.2	10.7 13.2	12.3 14.5	20.6 17.8	12.7 .9	.0 .0	.0 .0	.0 .0	.0 .0	11/21	22.0	4/9	4/25
FISH LAKE	3371	1st 15th	.0 .0	.0 .0	2.1 9.5	11.6 17.5	20.6 25.5	26.6 28.8	33.8 32.9	25.9 19.1	4.8 .0	.0 .0	.0 .0	.0 .0	11/22	35.2	4/8	6/12
GREEN LAKE	6000	1st 15th	.0 .0	.0 .0	1.3 11.0	11.8 14.9	16.1 17.6	17.8 18.8	22.0 22.1	20.8 15.0	.3 .0	.0 .0	.0 .0	.0 .0	11/21	23.1	4/13	6/2
GROUSE CAMP	5380	1st 15th	.0 .0	.0 .0	1.1 8.2	9.9 12.1	12.9 14.0	14.3 14.7	18.0 11.1	2.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/22	18.1	4/10	5/11
HARTS PASS	6500	1st 15th	.0 .0	.0 .7	3.5 15.4	18.1 20.1	24.3 30.1	30.6 33.6	37.2 39.1	36.3 28.2	15.5 4.8	.0 .0	.0 .0	.0 .0	11/11	41.3	4/12	6/18
JUNE LAKE	3340	1st 15th	.0 .0	.0 1.0	4.4 6.8	11.8 19.8	26.2 24.3	22.0 24.1	28.9 23.3	13.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/12	29.2	4/7	5/15
LONE PINE	3800	1st 15th	.0 .0	.0 .7	3.6 7.6	9.9 15.4	15.9 18.6	18.3 19.5	24.6 22.1	13.7 9.6	3.5 .0	.0 .0	.0 .0	.0 .0	11/13	25.8	4/6	6/13
LYMAN LAKE	5900	1st 15th	.0 .0	.0 1.6	5.9 21.3	25.1 30.2	36.5 43.6	46.1 50.5	60.7 63.8	62.4 58.0	48.5 36.4	7.0 .0	.0 .0	.0 .0	11/12	65.2	4/12	7/8
MIRROR LAKE	5600	1st 15th	.0 .0	.0 1.0	3.8 17.5	18.5 22.0	24.3 27.4	27.7 29.6	36.1 ---	38.6 36.0	25.1 15.9	.0 .0	.0 .0	.0 .0	11/13	39.7	4/12	6/25
MORSE LAKE	5400	1st 15th	.0 .0	.0 .7	4.7 20.8	24.3 33.7	39.7 42.2	42.7 46.0	54.1 56.6	47.2 39.0	21.6 15.8	.0 .0	.0 .0	.0 .0	11/12	59.5	4/12	6/23
OLALLIE MEADOWS	3700	1st 15th	.0 .0	.0 .5	4.8 14.2	16.8 24.6	29.0 36.3	38.9 43.6	54.4 55.4	53.9 47.8	31.8 17.0	.0 .0	.0 .0	.0 .0	11/13	58.4	4/7	6/26
PARADISE	5120	1st 15th	.0 .0	.0 1.1	8.0 18.1	18.8 27.0	31.2 40.0	44.2 49.5	63.0 66.9	67.1 65.5	56.1 46.2	18.3 .0	.0 .0	.0 .0	11/21	69.4	5/8	7/12

\* - Permanent snowpack commenced in prior Water Year.

# SNOTEL SWE's -- WY 1988 (inches)

SNOTEL SITE NAME	ELEV (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK			MELTOUT DATE
															START DATE	MAX SWE	MAX DATE	
PARK CREEK RIDGE	4600	1st 15th	.0 .0	.0 .6	5.0 19.8	21.6 25.8	30.3 33.8	35.0 38.7	45.4 48.9	29.1 15.7	.0 .0	.0 .0	.0 .0	.0 .0	11/21	50.3	4/12	5/26
PIGTAIL PEAK	5900	1st 15th	.0 .0	.0 1.0	4.9 17.1	18.3 25.3	28.7 34.9	35.8 39.6	49.9 53.8	50.3 45.5	35.6 25.7	.0 .0	.0 .0	.0 .0	11/13	55.4	4/11	6/26
POPE RIDGE	3540	1st 15th	.0 .0	.0 .3	1.8 9.0	10.4 13.3	14.5 16.1	16.1 16.0	16.8 10.2	.0 .0	.1 .0	.0 .0	.0 .0	.0 .0	11/21	17.3	3/30	5/1
POTATO HILL	4500	1st 15th	.0 .0	.0 .5	2.3 7.7	10.3 14.0	15.2 18.0	18.8 20.1	25.7 23.3	18.8 12.5	1.6 .0	.0 .0	.0 .0	.0 .0	11/13	26.6	4/10	6/13
QUARTZ PEAK	4700	1st 15th	.0 .0	.0 .0	2.3 4.7	6.0 9.5	10.5 12.7	12.9 15.3	17.3 13.0	5.2 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/15	17.3	4/2	5/11
RAINY PASS	4780	1st 15th	.0 .0	.0 .0	2.7 15.6	18.5 21.6	22.6 25.9	26.9 30.5	35.0 38.5	32.3 30.1	20.1 9.4	.0 .0	.0 .0	.0 .0	11/21	38.6	4/14	6/22
SALMON MEADOWS	4500	1st 15th	.0 .0	.0 .0	.7 4.6	5.4 6.5	6.5 6.6	6.6 6.5	7.7 2.8	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/30	7.7	4/7	4/19
SASSE RIDGE	4200	1st 15th	.0 .0	.1 .0	2.5 11.1	13.1 19.3	20.3 23.6	25.0 26.9	31.8 29.5	20.6 10.6	.0 .0	.0 .0	.0 .0	.0 .0	11/21	32.8	4/7	5/25
SHEEP CANYON	4030	1st 15th	.0 .0	.0 1.1	3.0 6.2	6.8 10.9	14.4 17.8	19.0 24.3	39.0 39.0	31.5 23.3	2.6 .0	.0 .0	.0 .0	.0 .0	11/21	40.0	4/6	6/13
SPENCER MEADOW	3400	1st 15th	.0 .0	.0 .4	2.1 5.8	7.5 14.7	16.6 18.8	20.0 20.6	25.8 21.1	14.5 3.7	.0 .0	.0 .0	.0 .0	.0 .0	11/22	26.9	4/6	5/17
SPIRIT LAKE	3120	1st 15th	.0 .0	.0 .0	.0 .8	.7 5.5	3.5 4.0	.0 .0	4.6 1.3	1.5 .0	.0 .0	.0 .0	.0 .0	.0 .0	12/10	6.0	1/23	3/1
STAMPEDE PASS	3860	1st 15th	.0 .0	.0 .5	4.7 13.3	15.1 22.3	25.1 33.2	35.0 38.1	41.8 44.6	34.2 33.7	17.5 .0	.0 .0	.0 .0	.0 .0	11/21	44.8	4/13	6/13
STEVENS PASS	4070	1st 15th	.0 .0	.0 .0	2.5 14.3	17.1 24.8	30.0 35.9	37.2 40.6	49.8 47.2	39.8 27.3	3.1 .0	.0 .0	.0 .0	.0 .0	11/21	51.5	4/7	6/6
STRAWBERRY LANDING	4800	1st 15th	.0 .0	.0 .8	5.1 17.5	19.6 27.9	33.1 37.9	39.6 42.4	53.3 54.9	51.4 46.8	30.8 14.3	.0 .0	.0 .0	.0 .0	11/21	58.2	4/8	6/19
SURPRISE LAKES	4250	1st 15th	.0 .0	.0 1.1	5.9 11.3	13.5 16.3	17.1 19.8	20.8 21.5	26.7 24.1	15.4 14.3	5.5 .0	.0 .0	.0 .0	.0 .0	11/9	27.8	4/7	6/11
THUNDER BASIN	4200	1st 15th	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	---	---	---	---

\* - Permanent snowpack commenced in prior Water Year.



# SNOTEL SWE'S — WY 1988 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK			
															START DATE	MAX SWE	MAX DATE	MELTOUT DATE
TOUCHET #2	5530	1st 15th	.0 .0	.0 .6	2.2 6.2	7.4 14.6	19.6 24.0	23.5 26.4	32.1 25.8	17.6 6.9	.0 .0	.0 .0	.0 .0	.0 .0	11/13	32.5	4/7	5/21
			.0 .0	.0 .0	1.0 5.8	6.5 8.1	8.5 8.1	7.8 8.0	7.0 2.4	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/30	8.5	2/2	4/18
UPPER WHEELER	4400	1st 15th	.0 .0	.0 .0	.5 3.1	4.4 5.9	6.4 6.8	6.9 6.7	7.2 4.6	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0	11/30	7.6	4/6	4/22
			.0 .0	.0 .4	1.9 7.4	8.6 12.0	13.6 15.6	15.8 16.6	21.1 20.1	16.8 12.0	.3 .0	.0 .0	.0 .0	.0 .0	11/21	21.6	4/10	6/2
WHITE PASS E.S.	4500	1st 15th																

# Monthly Precipitation — WY 1988 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
BLEWETT PASS	4270	.0	1.7	9.1	4.2	3.3	4.2	2.6	1.1	2.2	.4	.0	.8	29.6
BUMPING RIDGE	4600	.0	4.3	13.8	7.8	3.9	8.6	6.3	4.9	2.8	1.5	.2	3.0	57.1
BUNCHGRASS MDW	5000	.2	6.2	7.3	5.1	2.8	6.9	3.6	4.1	4.1	.5	.3	3.6	44.7
CORRAL PASS	6000	.5	4.3	12.3	7.2	5.2	10.2	5.9	5.9	2.3	1.1	.5	3.3	58.7
COUGAR MOUNTAIN	3200	.7	9.0	15.6	9.7	10.4	15.4	10.0	7.4	3.7	2.7	1.6	7.2	93.4
FISH LAKE	3371	.4	6.3	12.1	7.4	6.0	7.4	4.9	2.1	1.5	.5	.2	3.1	51.9
GREEN LAKE	6000	.1	3.0	12.1	4.8	2.0	4.1	3.8	1.9	2.2	.4	.1	.8	35.3
GROUSE CAMP	5380	.0	1.9	9.6	3.4	1.7	4.0	2.9	.3	2.4	1.0	1.1	1.2	27.6
HARTS PASS	6500	.1	4.5	15.4	6.7	5.6	6.7	6.9	1.6	2.6	1.0	.3	2.0	53.4
JUNE LAKE	3340	.3	19.5	29.4	12.7	10.5	27.0	14.1	12.4	4.4	3.8	1.3	4.7	140.1
LONE PINE	3800	.8	9.1	20.3	14.5	6.4	13.1	9.0	8.0	3.1	1.5	.9	2.7	89.4
LYMAN LAKE	5900	.4	6.2	19.1	11.6	12.2	15.3	8.8	2.9	3.2	2.4	.5	4.4	87.0
MIRROR LAKE	5600	.0	2.7	16.3	8.6	2.3	7.5	5.1	3.0	2.0	.5	.2	3.5	51.7
MORSE LAKE	5400	.5	6.6	20.4	12.5	3.4	11.0	7.9	5.2	2.9	1.2	.7	3.3	75.6
OLALLIE MEADOWS	3700	.2	10.3	18.7	14.5	12.8	20.3	14.2	7.1	2.1	2.2	.5	4.2	107.1
PARADISE	5120	.5	11.5	17.8	13.0	10.4	12.7	17.1	7.8	2.7	2.4	1.6	5.3	102.8
PARK CREEK RIDGE	4600	.2	6.7	15.2	8.3	4.7	10.8	5.9	1.2	1.2	.9	.6	4.5	60.2
PIGTAIL PEAK	5900	.8	6.2	15.1	9.5	7.1	13.5	9.4	6.1	2.8	1.8	.1	2.2	74.6
POPE RIDGE	3540	.3	2.2	9.4	3.8	2.1	5.3	2.9	.7	1.6	.1	.1	1.3	29.8
POTATO HILL	4500	.9	5.6	7.8	8.3	5.6	10.0	6.9	5.2	2.0	.9	.1	1.8	55.1
QUARTZ PEAK	4700	.1	4.4	8.2	4.9	2.9	5.1	3.7	2.9	2.3	.6	.0	2.9	38.0
RAINY PASS	4780	.4	4.7	14.5	3.9	4.9	9.0	6.8	.6	1.8	1.1	.3	3.7	51.7
SALMON MEADOWS	4500	.0	1.5	7.0	1.4	.0	1.8	3.2	.9	3.5	.0	.3	1.0	20.6
SASSE RIDGE	4200	.1	4.9	12.8	5.8	4.9	8.2	5.3	2.1	2.0	.4	.4	3.0	49.9
SHEEP CANYON	4030	1.0	15.1	15.8	21.5	6.8	18.8	10.8	12.7	5.0	4.1	1.6	6.1	119.3
SPENCER MEADOW	3400	1.1	9.3	18.4	11.4	7.9	14.5	8.0	7.0	3.0	2.6	1.1	3.7	88.0
SPIRIT LAKE	3120	.4	8.8	19.2	8.4	8.0	15.2	8.1	6.4	3.5	1.0	.7	3.5	83.2
STAMPEDE PASS	3860	.5	8.1	14.5	10.4	11.0	12.5	9.6	4.4	1.6	.9	.3	5.3	79.1
STEVENS PASS	4070	.1	6.6	15.1	10.9	8.2	15.2	8.8	4.1	2.1	1.8	.3	6.5	79.7
STRAWBERRY LANDING	4800	.0	9.0	21.8	12.1	6.1	12.7	8.3	6.9	2.1	1.8	.7	3.5	85.0
SURPRISE LAKES	4250	.4	10.6	15.3	11.1	12.0	16.6	10.2	6.4	2.0	1.9	.6	2.8	89.9
THUNDER BASIN	4200	---	6.3	11.8	7.4	4.5	10.0	6.1	2.6	3.3	.8	.4	6.0	59.2
TOUCHET #2	5530	.2	4.0	8.3	9.0	4.8	9.8	4.4	2.2	2.8	.7	.0	1.5	47.7
TOUGH	5300	.0	1.6	8.0	2.6	.7	3.7	1.2	.5	2.0	.0	.2	1.6	22.1
UPPER WHEELER	4400	.0	1.8	9.3	2.8	.3	1.9	3.5	.7	2.7	.0	.0	1.1	24.1
WHITE PASS E.S.	4500	.0	3.5	11.0	6.0	2.6	5.6	4.2	2.1	1.2	.1	.1	1.2	37.6



# Snow Course SWE Averages: 1961-1985 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
AHTANUM R.S.	3100	3.6		6.0		6.9		5.5		.0			
ALPINE MEADOWS	3500					34.9		45.4					
BAIRD	3220			5.8		6.9		5.6					
BAIRD #2	3220												
BALD MOUNTAIN	3200												
BEAVER CREEK TRAIL	2200												
BEAVER PASS	3680			10.1		13.0		12.2		4.9			
BEEHIVE SPRINGS	4400			20.3		25.5		30.4		29.3			
BERNE-MILL CREEK	3170			6.3		7.8		7.5		1.9			
BIG BOULDER CREEK	3200	11.7		20.0		24.8		27.4		20.8			
		7.2		13.3		18.1		18.0		8.7			
BLEWETT PASS #2	4270	6.4		11.9		14.4		15.6		8.7			
BOYER MOUNTAIN	5250	10.6		17.2		22.3		26.6		24.8			
BRIEF	1600			6.1		6.9		2.9		.0			
BROWN TOP	6000			41.7		52.9		60.8		63.3			
BUMPING LAKE	3450	6.5		11.8		17.2		14.7		8.7			
BUMPING LAKE (NEW)	3400	8.0		14.5		18.1		18.8		12.5			
BUNCHGRASS MEADOWS	5000	14.6		21.3		25.0		30.4		29.2			
BUTTE CREEK	4070	4.2		6.7		8.6		9.6		5.7			
BUTTE CK #2	4070												
CARROL PASS	3650	11.0		14.8		23.0		28.2		30.0			
CAYUSE PASS	5300	32.6		54.1		67.0		85.1		90.1			
CHEWALAH	4930			10.5		13.9		16.1					
CHEWALAH #2	4930												
CHIWAUKUM G.S.	2500	5.0		8.9		11.0		9.4		1.1			
CITY CABIN	2390					13.1		14.3					
CLOUDY PASS	6500												
COLOCKUM PASS	5370			27.9		33.5		42.5					
CORRAL PASS	6000			11.8		14.7		17.0					
COUGAR MOUNTAIN	3200					34.1		40.9					
COX VALLEY	4500			25.5		32.9		40.0		40.8		3.2	
DEER PARK	5200	8.6		13.9		17.9		21.7		21.1			
DEVILS PARK	5900			31.0		37.8		43.6		46.2			
DOCK BUTTE	3800	26.8		41.6		57.7		67.7		70.8			
EASY PASS	5200	28.4		46.5		65.3		85.2		89.2		54.2	
FISH LAKE	3370	12.4		22.4		29.4		32.1		23.8		74.5	
FREEZEOUT CK. TRAIL	3500			9.3		11.3		11.7		7.8			
FREEZEOUT MEADOW NEW	5040			23.2		32.0		32.3		31.7			
GOAT CREEK	3600			5.4		6.6		4.8		.0			
GRANITE CREEK	3500			13.5		16.3		17.8		12.6			
GRASS MOUNTAIN #2	2900	5.4		11.6		14.6		18.4					

# Snow Course SWE Averages: 1961-1985 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
GREEN LAKE	6000			23.4		29.7		34.7					
GROUSE CAMP	5380			12.4		15.9		17.6		46.8			
HARTS PASS	6500	29.4		30.7		37.6		44.2		23.9		3.2	
HURRICANE	4500	9.2		14.2		17.9		23.1		93.0		82.5	
JASPER PASS	5400	39.6		60.6		77.1		88.8					
KELLER RIDGE	3700												
KROMONA MINE	2600					8.1		4.9		.0			
LAKE CLE ELUM	2200	4.2		7.3		19.1		23.8					
LESTER CREEK	3100	8.6		29.7		37.5		44.2					
LITTLE MDWS	5280												
LYMAN LAKE	5900	24.0		41.0		50.2		59.9					
LYNN LAKE	4000	7.8		18.1		22.8		26.7		20.7			
MARTEN LAKE	3600	31.6		49.2		65.4		75.5		78.8			
MEADOWS CABIN	1900			5.7		6.4		5.1		1.3			
MERRITT	2140	7.5		13.0		14.7		13.7		4.1			
MIDDLE SULTAN	2800												
MISSION (OMAK)	1150												
MISSION RIDGE	5000												
MOUNT TOLMAN	2000												
MOSES MEADOWS	0												
MOSES MOUNTAIN	4800												
MOSES PEAK	0												
MT. BLUM	5800	25.6		42.8		57.3		63.2		72.3		69.7	
MT. GARDNER	3300					14.8		15.0					
MUTTON CREEK #1	5700			9.7		11.9		13.6		10.3			
NEW HOZOMEEN LAKE	2800												
OLALLIE MEADOWS	3630	18.2		8.3		11.7		11.0		6.0			
OLNEY PASS	3250			30.2		39.3		45.5		43.5			
PARADISE PARK R S	5500	28.3		48.3		58.6		70.5					
PARK CREEK RIDGE	4600	17.5		33.3		42.5		43.8					
POPE RIDGE	3540			13.6		17.1		17.1		8.0			
RAGGED RIDGE	3330												
RAINY PASS	4780	25.3		28.2		34.1		40.0		41.5			
ROCKY CREEK	2100	12.2		20.5		26.1		28.6		20.7		2.0	
RUSTY CREEK	4000			5.3		6.5		6.4		.6			
SF THUNDER CK	2200	4.8		7.0		9.0		5.8		1.3		.0	
SALMON MEADOWS	4500			7.2		9.3		10.0		5.2			
SAWMILL RIDGE	4700	14.1		24.3		30.5		37.4					
SCHREIBERS MDW	3400	22.8		35.6		49.7		61.7		59.7		42.6	
STEMILT SLIDE	5000			10.5		13.1		13.4		6.4			



# Snow Course SWE Averages: 1961-1985 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
STEVENS PASS SAND SD	3700	19.3		24.3		31.9		34.6		31.3		11.3	
STICKNEY RIDGE	3640												
STRANGER MOUNTAIN	4230			9.3		11.9		13.6					
SUMMIT G.S.	4600	3.6		5.7		7.3		8.4		5.6			
SUMMIT G.S. #2	4600												
SUMMIT TRAIL	3840			13.4		18.9		22.0		22.8			
THUNDER BASIN	2400			8.2		9.6		11.3					
TOGO	3370	4.5		7.1		9.9		11.3		7.9			
TROUGH #2	5310			15.7		19.8		21.7		14.3			
TUNNEL AVENUE	2450	8.7											
TWIN CAMP	4100	10.3		16.8		21.1		25.0					
TWIN LAKES	2700												
UPPER WHEELER	4400			8.4		9.6		8.5		1.4			
VAN EPPS PASS AM	5900												
WATSON LAKES AM	4500	25.1		39.5		54.2		67.5		70.7		59.6	
WHITE PASS E.S.	4500	9.7		16.9		21.5		24.4		24.0			

# SNOTEL SWE Averages: 1961-1985 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BLEWETT PASS	4270	1st 15th	.0 .0	.0 2.2	5.1 8.3	11.5 14.6	18.1 20.5	22.2 23.7	24.4 23.7	14.2 .0	.0 .0	.0 .0	.0 .0	.0 .0
BUMPING RIDGE	4600	1st 15th	.0 .0	.0 .0	3.5 7.0	11.0 14.9	18.4 21.2	23.2 24.7	24.9 24.7	23.4 14.7	.0 .0	.0 .0	.0 .0	.0 .0
BUNCHGRASS MDW	5000	1st 15th	.0 .0	2.2 4.9	8.7 13.0	16.2 19.3	20.9 22.6	24.2 25.6	27.2 28.0	26.4 22.0	14.9 .0	.0 .0	.0 .0	.0 .0
CORRAL PASS	6000	1st 15th	.0 .0	.0 2.3	6.4 10.6	15.5 20.0	24.9 29.1	32.1 35.2	37.8 39.3	38.9 35.5	24.9 .0	.0 .0	.0 .0	.0 .0
COUGAR MOUNTAIN	3200	1st 15th	.0 .0	.0 .0	2.5 5.2	9.6 10.4	13.6 14.0	14.4 16.8	19.2 17.7	13.8 6.9	.0 .0	.0 .0	.0 .0	.0 .0
FISH LAKE	3371	1st 15th	.0 .0	.0 .0	5.0 9.7	15.1 20.2	25.6 29.5	32.8 35.3	36.0 33.5	26.6 13.7	.0 .0	.0 .0	.0 .0	.0 .0
GREEN LAKE	6000	1st 15th	.0 .0	.0 .0	2.7 5.5	8.7 11.4	14.3 16.5	18.1 19.8	21.1 21.5	20.9 16.7	.0 .0	.0 .0	.0 .0	.0 .0
GROUSE CAMP	5380	1st 15th	.0 .0	.0 1.3	3.9 6.3	9.0 11.4	13.6 15.3	16.6 17.7	18.4 17.1	12.9 4.4	.0 .0	.0 .0	.0 .0	.0 .0
HARTS PASS	6500	1st 15th	.0 .0	.0 6.8	13.6 19.8	27.2 33.5	39.1 43.7	47.1 50.5	53.9 55.6	56.7 55.6	35.7 14.2	.0 .0	.0 .0	.0 .0
JUNE LAKE	3340	1st 15th	.0 .0	.0 .0	3.5 7.2	11.6 15.7	19.5 21.6	25.7 28.6	31.4 30.5	24.8 .0	.0 .0	.0 .0	.0 .0	.0 .0
LONE PINE	3800	1st 15th	.0 .0	.0 .0	5.6 11.3	16.9 23.0	28.6 33.0	37.3 40.8	43.4 45.6	45.1 37.8	18.2 .0	.0 .0	.0 .0	.0 .0
LYMAN LAKE	5900	1st 15th	.0 .0	.0 3.2	11.6 19.3	28.3 37.3	45.0 50.8	55.9 60.4	64.3 66.9	67.5 64.3	47.6 30.9	9.0 .0	.0 .0	.0 .0
MIRROR LAKE	5600	1st 15th	.0 .0	.0 1.6	5.6 9.5	14.1 18.4	22.6 25.6	27.9 30.5	32.8 33.5	33.5 32.5	23.0 8.9	.0 .0	.0 .0	.0 .0
MORSE LAKE	5400	1st 15th	.0 .0	.0 3.6	9.7 15.9	22.0 28.2	34.8 39.9	44.0 48.1	51.2 54.8	55.3 51.2	31.2 .0	.0 .0	.0 .0	.0 .0
OLALLIE MEADOWS	3700	1st 15th	.0 .0	.0 4.1	12.3 20.5	28.7 36.2	45.1 51.9	58.1 64.2	68.3 69.7	69.0 60.1	40.3 19.8	.0 .0	.0 .0	.0 .0
PARADISE	5120	1st 15th	.0 .0	.0 4.3	12.8 20.6	30.0 38.4	47.7 54.8	61.2 66.9	71.2 74.0	73.3 66.9	47.0 27.8	9.3 .0	.0 .0	.0 .0



# SNOTEL SWE Averages: 1961-1985 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PARK CREEK RIDGE	4600	1st 15th	.0 .0	.0 .0	5.8 12.5	20.6 26.9	32.3 36.7	39.9 43.0	44.8 45.2	39.9 27.8	10.8 .0	.0 .0	.0 .0	.0 .0
PIGTAIL PEAK	5900	1st 15th	.0 .0	.0 .0	6.7 13.9	21.2 28.9	35.1 40.8	44.4 48.5	51.6 52.6	52.1 47.5	34.1 19.6	6.2 .0	.0 .0	.0 .0
PLAINS OF ABRAHAM	4400	1st 15th	.0 .0	.0 .0	8.7 17.4	27.6 36.4	45.1 52.3	58.9 65.4	72.7 77.1	76.3 67.6	34.9 .0	.0 .0	.0 .0	.0 .0
POPE RIDGE	3540	1st 15th	.0 .0	.0 .0	2.5 4.9	7.4 9.9	12.4 14.3	15.6 17.0	16.8 12.6	6.7 .0	.0 .0	.0 .0	.0 .0	.0 .0
POTATO HILL	4500	1st 15th	.0 .0	.0 .0	3.7 8.0	12.6 16.9	21.2 24.3	26.7 29.2	30.7 30.1	27.3 14.4	.0 .0	.0 .0	.0 .0	.0 .0
QUARTZ PEAK *	4700	1st 15th	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
RAINY PASS	4780	1st 15th	.0 .0	.0 3.7	10.2 16.7	23.2 29.2	34.3 38.9	41.7 44.4	46.3 46.8	45.4 41.7	26.4 7.4	.0 .0	.0 .0	.0 .0
SALMON MEADOWS	4500	1st 15th	.0 .0	.0 .0	2.6 4.7	7.0 8.6	10.3 11.5	12.6 13.5	13.9 13.5	7.4 .0	.0 .0	.0 .0	.0 .0	.0 .0
SASSE RIDGE	4200	1st 15th	.0 .0	.0 .7	5.2 10.1	15.4 20.2	24.8 28.3	30.7 33.5	34.9 35.6	33.5 29.7	23.0 7.0	.0 .0	.0 .0	.0 .0
SHEEP CANYON	4030	1st 15th	.0 .0	.0 .0	5.6 11.6	18.1 24.2	30.7 35.3	39.5 43.2	46.5 47.4	43.7 34.9	20.0 .0	.0 .0	.0 .0	.0 .0
SPENCER MEADOW	3400	1st 15th	.0 .0	.0 .0	3.9 7.5	11.7 15.5	19.4 22.4	24.8 27.2	29.9 30.5	26.6 13.8	.0 .0	.0 .0	.0 .0	.0 .0
SPIRIT LAKE	3120	1st 15th	.0 .0	.0 .0	1.8 3.7	5.9 7.8	10.0 11.6	13.1 14.1	14.7 .0	.0 .0	.0 .0	.0 .0	.0 .0	.0 .0
STAMPEDE PASS	3860	1st 15th	.0 .0	.0 3.0	8.0 13.1	18.3 23.6	27.8 33.8	36.0 40.5	42.2 43.0	38.7 34.6	13.9 .0	.0 .0	.0 .0	.0 .0
STEVENS PASS	4070	1st 15th	.0 .0	.0 2.6	7.7 13.3	18.9 24.1	29.7 34.4	37.8 40.8	43.0 43.4	41.3 36.1	27.5 9.0	.0 .0	.0 .0	.0 .0
STRAWBERRY LANDING	4800	1st 15th	.0 .0	.0 .0	7.4 14.2	21.7 29.1	35.9 41.6	46.7 51.9	57.0 56.4	53.0 41.6	18.2 .0	.0 .0	.0 .0	.0 .0
SURPRISE LAKES	4250	1st 15th	.0 .0	.0 .0	7.1 14.2	21.8 28.9	36.0 41.4	45.2 49.6	54.5 56.7	55.6 48.0	27.8 .0	.0 .0	.0 .0	.0 .0

\* Average not established

# SNOTEL SWE Averages: 1961-1985 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOUCHET #2 *	5530	1st 15th	---	---	---	---	---	---	---	---	---	---	---	---
TROUGH	5300	1st 15th	.0 .0	.0 .0	1.6 3.3	5.1 6.8	8.7 10.0	11.0 11.7	12.2 10.9	5.6 .0	.0 .0	.0 .0	.0 .0	.0 .0
UPPER WHEELER	4400	1st 15th	.0 .0	.0 1.5	3.7 5.6	8.0 10.1	12.3 13.9	15.1 15.9	16.6 15.8	8.8 .0	.0 .0	.0 .0	.0 .0	.0 .0
WHITE PASS E.S.	4500	1st 15th	.0 .0	.0 .0	3.3 6.6	10.4 13.7	17.2 19.7	22.0 24.0	25.3 25.0	24.8 22.5	15.2 .0	.0 .0	.0 .0	.0 .0

\* Average not established



# Monthly Precipitation Averages: 1961-1985 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
BLEWETT PASS	4270	2.5	5.3	6.3	6.0	4.2	3.2	2.1	1.4	1.4	.4	1.1	1.3	35.2
BUMPING RIDGE	4600	4.4	9.5	11.4	10.8	7.6	5.7	3.8	2.6	2.6	.6	1.9	2.6	63.5
BUNCHGRASS MDW *	5000	---	---	---	---	---	---	---	---	---	---	---	---	---
CORRAL PASS	6000	5.2	9.1	10.4	9.8	7.8	6.5	4.6	3.3	2.6	1.3	2.0	2.5	65.1
COUGAR MOUNTAIN	3200	8.6	15.1	16.2	15.1	10.8	9.7	8.6	6.5	5.4	3.3	3.3	5.5	108.1
FISH LAKE	3371	4.8	8.4	9.6	9.0	7.2	6.0	3.6	3.0	2.4	1.3	1.9	3.1	60.3
GREEN LAKE	6000	2.8	6.0	7.2	6.8	4.8	3.6	2.4	1.6	1.6	.4	1.1	1.5	39.8
GROUSE CAMP	5380	2.3	5.0	6.0	5.6	4.0	3.0	2.0	1.3	1.3	.3	1.0	1.3	33.1
HARTS PASS	6500	5.3	11.3	15.1	12.1	8.3	6.1	3.8	3.0	3.0	1.5	2.3	3.8	75.6
JUNE LAKE	3340	13.4	25.0	30.1	26.7	20.0	18.4	10.0	6.7	5.0	1.7	3.3	6.7	167.0
LONE PINE	3800	7.7	14.5	17.4	15.5	11.6	10.6	5.8	3.9	2.9	1.0	1.9	4.0	96.8
LYMAN LAKE	5900	6.0	12.9	18.0	16.3	10.3	6.9	3.4	2.6	2.6	.9	2.6	3.3	85.8
MIRROR LAKE	5600	3.1	6.6	9.2	8.3	5.3	3.5	1.8	1.3	1.3	.3	1.3	1.8	43.8
MORSE LAKE	5400	6.8	11.9	13.6	12.8	10.2	8.5	6.0	4.3	3.4	1.7	2.6	3.4	85.2
OLALLIE MEADOWS	3700	10.1	17.6	20.1	17.6	13.8	11.3	10.1	6.3	5.0	3.8	3.8	6.4	125.9
PARADISE	5120	9.6	16.9	19.3	18.1	14.4	12.0	8.4	6.0	4.8	2.4	3.6	13.1	102.4
PARK CREEK RIDGE	4600	5.0	10.8	14.4	11.5	7.9	5.7	3.6	2.9	2.9	1.4	2.2	3.5	71.8
PIGTAIL PEAK	5900	4.8	12.7	14.3	13.5	9.5	8.0	4.8	3.2	3.2	.8	1.6	3.1	79.5
PLAINS OF ABRAHAM	4400	9.4	17.6	21.1	18.8	14.1	12.9	7.0	4.7	3.5	1.2	2.3	4.6	117.2
POPE RIDGE	3540	2.4	5.2	7.2	6.5	4.1	2.8	1.4	1.0	1.0	.3	1.0	1.5	34.4
POTATO HILL	4500	4.6	9.8	11.8	11.1	7.8	6.5	3.9	3.3	2.0	.7	1.3	2.5	65.3
QUARTZ PEAK *	4700	---	---	---	---	---	---	---	---	---	---	---	---	---
RAINY PASS	4780	4.7	10.0	13.4	10.7	7.4	5.4	3.3	2.7	2.7	1.3	2.0	3.3	66.9
SALMON MEADOWS	4500	1.6	3.6	5.5	4.2	2.3	1.8	1.3	1.3	1.3	.8	1.0	1.3	26.0
SASSE RIDGE	4200	4.6	8.1	9.2	8.6	6.9	5.2	4.0	2.9	2.3	1.2	1.7	2.9	57.6
SHEEP CANYON	4030	10.1	18.9	22.7	20.2	15.1	13.9	7.6	5.0	3.8	1.3	2.5	4.9	126.0
SPENCER MEADOW	3400	8.2	15.3	18.4	16.3	12.3	11.2	6.1	4.1	3.1	1.0	2.0	4.1	102.1
SPIRIT LAKE	3120	8.3	15.6	18.7	16.6	12.5	11.4	6.2	4.2	3.1	1.0	2.1	4.1	103.8
STAMPED PASS	3860	7.7	13.4	15.4	14.4	11.5	8.6	6.7	4.8	3.8	1.9	2.9	4.9	96.0
STEVENS PASS	4070	7.8	13.7	15.7	14.7	11.8	8.8	6.9	4.9	3.9	2.0	2.9	4.9	98.0
STRAWBERRY LANDING	4800	8.1	15.2	18.3	16.2	12.2	11.2	6.1	4.1	3.0	1.0	2.0	4.0	101.4
SURPRISE LAKES	4250	8.4	15.8	19.0	16.9	12.7	11.6	6.3	4.2	3.2	1.1	2.1	4.2	105.5
TOUCHET #2 *	5530	---	---	---	---	---	---	---	---	---	---	---	---	---
TOUGH	5300	2.1	4.5	5.4	5.1	3.6	2.7	1.8	1.2	1.2	.3	.9	1.3	30.1
UPPER WHEELER	4400	2.1	4.4	5.3	5.0	3.5	2.6	1.8	1.2	1.2	.3	.8	1.1	29.3
WHITE PASS E.S.	4500	3.2	6.9	8.3	7.8	5.5	4.1	2.8	1.8	1.8	.5	1.4	1.8	45.9

\* Average not established



# Glossary:

<b>a (Accumulated)</b>	Data value summed over several previous measurement periods.
<b>AM (Aerial Marker)</b>	A vertical member with equally spaced crossarms. The depth of snow at these remote sites is determined by observation from low-flying aircraft. Water content is calculated using measurements from nearby snow courses.
<b>Average</b>	The mean values of snow water equivalent and monthly/yearly precipitation based on the 25 year period 1961 – 1985. Sites with less than 25 years of record have averages computed by correlation with long term record sites.
<b>Basin</b>	The major drainage area in which a snow course is located.
<b>Data</b>	Refers to snow water equivalent or precipitation amounts.
<b>Disc.</b>	(Discontinued) Manual measurement discontinued. Estimates to be provided for minimum of 5 years following discontinuance for correlation purposes.
<b>e, est</b>	(Estimate) Data value developed from adjacent snow course or SNOTEL site in lieu of an actual physical measurement.
<b>Elevation</b>	The vertical reference of a site location above mean sea level, measured in feet.
<b>Meltout Date</b>	Date permanent seasonal snowpack was completely melted.
<b>Months</b>	Month names that head data columns in this report indicate: <ol style="list-style-type: none"><li>1. Snow depth and snow water equivalent measurements that are usually taken near the end or middle of the month, and reported as first of month or fifteenth of month readings. This explains why, for example, a February 27 and a March 15 reading are shown under the March column.</li><li>2. Precipitation increment or catch measured during the month indicated.</li></ol>
<b>Precipitation</b>	The liquid equivalent (inches) of rainfall, snow, sleet, or hail, collected by precipitation storage gauges.
<b>SNOTEL</b>	Abbreviation for SNOw TELemetry; a west-wide system for obtaining snow water equivalent, precipitation, air temperature, and other hydrologic measurements from remote data sites via radio transmission.
<b>Snow Course</b>	A permanently marked data site where manual snow measurements are collected.
<b>Site Number</b>	An indexing/locating number based on alpha and numeric grid divisions. Refer to the Data Site Maps included with this report.
<b>Snow Depth</b>	An average of the vertical measurements in inches of snowpack at a data site.
<b>Start Date</b>	Date permanent seasonal snowpack first began.
<b>SWE</b>	(Snow Water Equivalent) The amount of water in the snowpack expressed in inches.
<b>WY</b>	(Water Year) The twelve month period beginning October 1st in one year and September 30th of the following year. The water year is the calendar year in which it ends.



# The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

## Canada:

Ministry of the Environment, Water  
Investigations Branch, Victoria, British Columbia

## States:

Washington State Department of Ecology  
Washington State Department of Natural Resources

## Federal:

Department of the Army  
Corps of Engineers  
U.S. Department of Agriculture  
Forest Service  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of the Interior  
Bonneville Power Administration  
Bureau of Reclamation  
Geological Survey  
National Park Service  
Bureau of Indian Affairs

## Local:

City of Tacoma  
City of Seattle  
Chelan County P.U.D.  
Pacific Power and Light Company  
Puget Sound Power and Light Company  
Washington Water Power Company  
Snohomish County P.U.D.  
Colville Confederated Tribes  
Spokane County

## Private:

Okanogan Irrigation District  
Wenatchee Heights Irrigation District  
Newman Lake Homeowners Association

Other organizations and individuals furnish valuable information for  
snow survey reports. Their cooperation is gratefully acknowledged.



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ROOM 360, U.S. COURT HOUSE  
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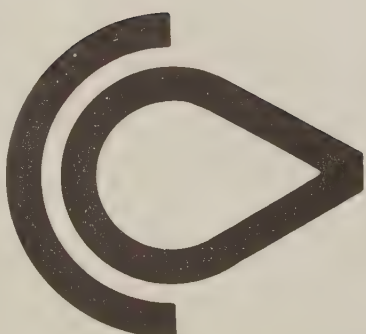
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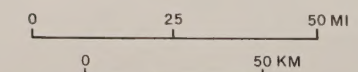
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- BASIN BOUNDARY
- COUNTY BOUNDARY
- SNOW DATA MEASURING SITE
- TELEMETERED

SNOW SURVEY DATA SITES  
WASHINGTON  
1988



BASE COMPILED FROM USGS NATIONAL ATLAS  
1:1,000,000 AND WASHINGTON HIGHWAY MAPS,  
ALBERS EQUAL-AREA PROJECTION.

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REVISED DECEMBER 1988 1000244



SOURCE: Information provided by SCS  
Snow Survey Personnel.

USDA-SCS NATIONAL CARTOGRAPHIC CENTER, FT. WORTH, TX. 1988



# INDEX TO WASHINGTON SNOW DATA SITES

SITE NAME	SITE NO.	ELEV.	LAT.	LONG.	SEC.	TWP.	RANGE	SITE CONFIGURATION	BASIN
AHTANUM R.S.	21C11	3100	46°31'	121°01'	24	12N	14E	SC	YAKIMA RIVER
ALPINE MEADOWS	21B48	3500	47°41'	121°42'	21	27N	9E	SC	NORTH PUGET
AIRSTRIIP	21B24	1800	47°13'	121°27'	18	20N	11E	SC	CEDAR AND GREEN
BAIRD	17A06	3220	48°37'	117°34'	19	36N	42E	SC	COLVILLE AND KETTLE
BAIRD # 2	17A07	3220	48°37'	117°34'	19	36N	42E	SC	COLVILLE AND KETTLE
BALD MOUNTAIN	21B51	3200	48°00'	121°36'	14	29N	9E	SC	NORTH PUGET
BEAVER CREEK TRAIL	21A04	2200	48°50'	121°12'	35	39N	12E	SC	NORTH PUGET
BEAVER PASS	21A01	3680	48°53'	121°14'	9	39N	12E	SC	NORTH PUGET
BEEHIVE SPRINGS	20B03	4400	47°20'	120°24'	12	21N	19E	SC	CHELAN AND WENATCHEE
BERNE-MILL CREEK	21B23	3240	47°46'	121°04'	12	26N	14E	SC	CHELAN AND WENATCHEE
BIG BOULDER CREEK	21B09	3200	47°26'	121°02'	35	23N	14E	SC	YAKIMA RIVER
BLAWEET PASS # 2	20B02S	4270	47°22'	102°39'	35	22N	17E	SC,S,P,T	CHELAN AND WENATCHEE
BOYER MOUNTAIN	17A02	5250	48°12'	117°26'	7	31N	43E	SC	COLVILLE AND KETTLE
BRIEF	20B19	1600	47°53'	120°26'	34	28N	19E	SC	CHELAN AND WENATCHEE
BROWN TOP RIDGE	21A28	6000	48°57'	121°14'	26	40N	12E	SC	NORTH PUGET
BUMPING LAKE	21C08	3450	46°52'	121°18'	23	16N	12E	SC	YAKIMA RIVER
BUMPING LAKE NEW	21C36	3400	46°53'	121°17'	13	16N	12E	SC	YAKIMA RIVER
BUMPING RIDGE	21C38S	4600	46°49'	121°20'	9	15N	12E	S,P,T	YAKIMA RIVER
BUNCHGRASS MEADOWS	17A01S	5000	48°42'	117°11'	24	37N	44E	SC,S,P,T	COLVILLE AND KETTLE
BUTTE CREEK	18A03	4070	48°51'	118°22'	28	39N	35E	SC	COLVILLE AND KETTLE
BUTTE CREEK # 2	18A15	4070	48°51'	118°22'	28	39N	35E	SC	COLVILLE AND KETTLE
CARROL PASS	23B15	3710	47°30'	123°31'	36	24N	7W	SC	OLYMPIC
CAYUSE PASS	21C06	5300	46°52'	121°32'	15	16N	10E	SC	COWLITZ AND LEWIS
CHEWELAH	17A04	4930	48°18'	117°36'	11	32N	41E	SC	COLVILLE AND KETTLE
CHEWELAH # 2	17A08	4900	48°18'	117°36'	11	32N	41E	SC	COLVILLE AND KETTLE
CHIWAUKUM G.S.	20B16	2500	47°40'	120°42'	4	25N	17E	SC	CHELAN AND WENATCHEE
CITY CABIN	21B03	2390	47°19'	121°31'	10	27N	10E	SC	CEDAR
CLOUDY PASS	20A22	6500	48°12'	120°55'	12	31N	15E	SC	CHELAN AND WENATCHEE
COLOCKUM PASS	20B09	5370	47°12'	120°16'	25	20N	20E	SC	YAKIMA RIVER
CORRAL PASS	21B13S	6000	47°07'	121°28'	30	18N	11E	SC,S,P,T	CEDAR AND GREEN
COUGAR MOUNTAIN	21B42S	3200	47°15'	121°38'	21	21N	9E	SC,S,P,T	NORTH PUGET
COX VALLEY	23B14	4500	47°58'	123°29'	31	29N	6W	SC	OLYMPIC
DEER PARK	23B04	5200	47°57'	123°16'	1	28N	5W	SC	OLYMPIC
DEVILS PARK	20A04	5900	48°45'	120°51'	34	38N	16E	SC	NORTH PUGET
DOCK BUTTE	21A11	3800	48°38'	121°48'	8	36N	8E	SC	NORTH PUGET
EASY PASS	21A07	5200	48°52'	121°26'	19	39N	11E	SC	NORTH PUGET
FISH LAKE	21B04S	3370	47°31'	121°04'	28	24N	14E	SC,S,P,T	YAKIMA RIVER
FREEZEOUT CREEK TRAIL	20A01	3500	48°57'	120°57'	14	40N	14E	SC	NORTH PUGET
FREEZEOUT MEADOWS NEW	20A38	5000	48°59'	120°54'	8	40N	16E	SC	NORTH PUGET
GOAT CREEK	18A04	3600	48°51'	118°21'	26	39N	35E	SC	COLVILLE AND KETTLE
GRANITE CREEK	20A06	3500	48°36'	120°48'	25	36N	16E	SC	NORTH PUGET
GRASS MOUNTAIN # 2	21B27	2900	47°13'	121°45'	14	20N	8E	SC	CEDAR AND GREEN
GREEN LAKE	21C10S	6000	46°35'	121°09'	3	12N	13E	SC,S,P,T	YAKIMA RIVER
GROUSE CAMP	20B11S	5380	47°16'	120°29'	29	21N	19E	SC,S,P,T	YAKIMA RIVER
HARTS PASS	20A05S	6500	48°43'	120°39'	7	37N	18E	SC,S,P,T	METHOW AND OKANOGAN
HURRICANE	23B03	4500	47°58'	123°32'	36	29N	7W	SC	OLYMPIC
JASPER PASS	21A06	5400	48°47'	121°24'	17	38N	11E	SC	NORTH PUGET
JUNE LAKE	22C09S	3200	46°12'	122°08'	26	8N	5E	S,P,T	COWLITZ AND LEWIS
KELLER RIDGE	18A14	3700	48°11'	118°48'	21	31N	32E	SC	COLVILLE AND KETTLE
KROMONA MINE	21B57	2600	47°56'	121°35'	13	28N	9E	SC	NORTH PUGET
LAKE CLE ELUM	21B14	2200	47°14'	121°04'	15	20N	14E	SC	YAKIMA RIVER
LESTER CREEK	21B29	3100	47°12'	121°28'	36	20N	10E	SC	CEDAR AND GREEN
LITTLE MEADOWS	20A24	5280	48°12'	120°54'	8	31N	16E	SC	CHELAN AND WENATCHEE
LONE PINE SHELTER	21C26S	3800	46°16'	121°58'	8	9N	7E	SC,SP,T	COWLITZ AND LEWIS
LYMAN LAKE	20A23S	5900	48°12'	120°55'	18	31N	16E	SC,S,P,T	CHELAN AND WENATCHEE
LYNN LAKE	21B50	4000	47°12'	121°47'	22	20N	8E	SC	CEDAR AND GREEN
MARTEN LAKE	21A09	3600	48°46'	121°43'	23	38N	8E	SC	NORTH PUGET
MEADOWS CABINS	20A08	1900	48°33'	120°56'	29	36N	14E	SC	NORTH PUGET
MERRITT	20B18	2140	47°47'	120°52'	4	26N	16E	SC	CHELAN AND WENATCHEE
MIDDLE SULTAN	21B53	2800	47°57'	121°28'	35	29N	9E	SC	NORTH PUGET
MIRROR LAKE	20A39S	5600	48°09'	120°39'	30	31N	18E	S,P,T	CHELAN AND WENATCHEE
MISSION (OMAK)	19A12	1150	48°23'	119°28'	8	33N	27E	SC	METHOW AND OKANOGAN
MISSION RIDGE	20B29	4920	47°17'	120°24'	25	21N	19E	SC	CHELAN AND WENATCHEE
MORSE LAKE	21C17S	5400	46°54'	121°29'	6	16N	11E	SC,S,P,T	YAKIMA RIVER
MOSES	19A16	5320	48°21'	119°05'	18	33N	30E	S	OKANOGAN
MOSES CREEK	19A17	4040	48°23'	119°05'	6	33N	30E	SC	OKANOGAN
MOSES LOOKOUT	19A15	6650	48°22'	119°04'	8	33N	30E	SC	METHOW AND OKANOGAN
MOSES MEADOWS	19A14	3800	48°24'	119°05'	31	34N	30E	SC	METHOW AND OKANOGAN
MOSES MOUNTAIN	19A13	4740	48°21'	119°04'	20	33N	30E	SC	OKANOGAN
MOUNT GARDNER	21B21	3300	47°22'	121°34'	30	22N	10E	SC	CEDAR
MOUNT TOLMAN	18A12	2400	48°03'	118°42'	5	29N	33E	SC	COLVILLE AND KETTLE
MT. BLUM	21A18	5800	48°43'	121°31'	27	38N	10E	SC	NORTH PUGET
MUTTON CREEK # 1	19A01	5700	48°40'	119°52'	30	37N	24E	SC	METHOW AND OKANOGAN
NEW HOZOMEEN LAKE	21A30	2800	48°57'	120°58'	19	40N	14E	SC	NORTH PUGET
NEWMAN LAKE	17B04	2460	47°50'	117°05'	14	27N	45E	SC	SPOKANE RIVER

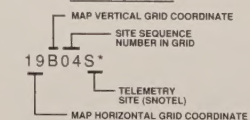
SITE NAME	SITE NO.	ELEV.	LAT.	LONG.	SEC.	TWP.	RANGE	SITE CONFIGURATION	BASIN
OLALLIE MEADOWS E.S.	21B02	3630	47°23'	121°27'	19	22N	11E	SC	NORTH PUGET
OLALLIE MEADOWS	21B55S	3960	47°26'	121°28'	20	22N	11E	S,P,T	NORTH PUGET AND YAKIMA RIVER
OLNEY PASS	21B54	3200	47°56'	121°38'	3	28N	9E	SC	NORTH PUGET
PARADISE PARK	21C35S	5500	46°50'	121°43'	13	15N	8E	SC,S,P,T	COWLITZ AND LEWIS
PARK CREEK RIDGE	20A12S	4600	48°27'	120°52'	18	34N	16E	SC,S,P,T	CHELAN AND WENATCHEE
PIGTAIL PEAK	21C33S	5900	46°37'	121°25'	11	13N	11E	SC,S,P,T	COWLITZ AND LEWIS
PLAINS OF ABRAHAM	22C01S	4400	46°13'	122°08'	35	9N	5E	S,P,T	COWLITZ AND LEWIS
POPE RIDGE	20B20S	3540	47°59'	120°32'	22	29N	18E	SC,S,P,T	CHELAN AND WENATCHEE
POTATO HILL	21C14S	4500	46°21'	121°30'	36	10N	10E	SC,S,P,T	COWLITZ AND LEWIS
QUARTZ PEAK	17B03S	4730	47°53'	117°05'	34	28N	45E	S,P,T	SPOKANE RIVER
RAGGED RIDGE	17B02	3330	47°46'	117°05'	12	27N	45E	SC	SPOKANE RIVER
RAINY PASS	20A09S	4780	48°33'	120°43'	21	35N	17E	SC,S,P,T	NORTH PUGET
ROCKY CREEK	21A12	2100	48°43'	121°47'	20	37N	8E	SC	NORTH PUGET
RUSTY CREEK	19A03	4000	48°32'	119°52'	18	35N	24E	SC	METHOW AND OKANOGAN
SASSE RIDGE	21B51S	4200	47°21'	121°05'	22	22N	14E	S	YAKIMA RIVER
SF THUNDER CREEK	21A14	2200	48°35'	121°37'	20	36N	9E	SC	NORTH PUGET
SALMON MEADOWS	19A02S	4500	48°40'	119°50'	33	37N	24E	SC,S,P,T	METHOW AND OKANOGAN
SCHREIBERS MEADOW	21A10	3400	48°44'	121°50'	18	37N	8E	SC	NORTH PUGET
SHEEP CANYON	22C10S	4050	46°11'	122°15'	12	8N	4E	S,P,T	COWLITZ AND LEWIS
SPENCER MEADOW	21C20S	3400	46°08'	121°55'	16	8N	7E	SC,S,P,T	COWLITZ AND LEWIS
SPIRIT LAKE	22C12S	3100	46°16'	122°09'	10	9N	5E	S,P,T	COWLITZ AND LEWIS
STAMPEDE PASS	21B10S	3860	47°17'	121°20'	25	21N	11E	SC,S,P,T	CEDAR AND GREEN
STEMILT SLIDE	20B06	5000	47°17'	120°23'	30	21N	20E	SC	CHELAN AND WENATCHEE
STEVENS PASS	21B01S	4070	47°44'	121°04'	14	26N	13E	S,P,T	CHELAN AND WENATCHEE
STEVENS PASS SAND SD	21B45	3700	47°43'	121°02'	12	26N	13E	SC	CHELAN AND WENATCHEE
STICKNEY RIDGE	21B58	3640	47°56'	121°38'	14	28N	9E	SC	SULTAN RIVER
STRANGER MTN.	17A05	4230	48°10'	117°58'	25	31N	38E	SC	COLVILLE
STRAWBERRY LANDING	22C08S	3280	46°22'	122°05'	9	10N	6E	S,P,T	COWLITZ AND LEWIS
SUMMIT G.S.	18A07	4600	48°54'	118°24'	20	39N	35E	SC	COLVILLE AND KETTLE
SUMMIT G.S. # 2	18A16	4600	48°54'	118°24'	20	39N	35E	SC	COLVILLE AND KETTLE
SUMMIT TRAIL	18A13	3840	48°15'	118°32'	27	32N	34E	SC	COLVILLE AND KETTLE
SURPRISE LAKES	21C13S	4250	46°06'	121°45'	14	7N	8E	SC,S,P,T	COWLITZ AND LEWIS
THUNDER BASIN	20A07	4200	48°31'	120°59'	10	35N	14E	SC,S,P,T	NORTH PUGET
TOGO	18A10	3370	48°03'	118°05'	6	29N	38E	SC	COLVILLE AND KETTLE
TOUCHET # 2	17C05S	5530	46°07'	117°54'	6	7N	40E	SC,S,P,T	WALLA WALLA
TROUGH # 2	20B25S	5310	47°14'	120°17'	10	20N	20E	S,P,T	CHELAN AND WENATCHEE
TUNNEL AVENUE	21B08	2450	47°19'	121°21'	13	21N	11E	SC	YAKIMA RIVER
TWIN CAMP	21B30	4100	47°08'	121°26'	18	19N	11E	SC	CEDAR AND GREEN
TWIN LAKES	18A11	2700	48°17'	118°25'	9	32N	35E	SC	COLVILLE AND KETTLE
UPPER WHEELER	20B07S	4400	47°17'	120°22'	30	21N	20E	SC,S,P,T	CHELAN AND WENATCHEE
WATSON LAKES	21A08	4500	48°41'	121°33'	25	37N	9E	SC	NORTH PUGET
WHITE PASS E.S.	21C28S	4500	46°38'	121°24'	2	13N	11E	SC,S,P,T	YAKIMA RIVER

## LEGEND

### SITE CONFIGURATION

SC = SNOW COURSE  
S = SNOW PILLOW  
P = PRECIPITATION  
T = TEMPERATURE  
W = WIND

### SITE NUMBER



\*NOTE: Sometimes Snow Course data sites and SNOTEL, telemetry sites are colocated and have the same SITE NAME. Such sites are identified as follows:

The last (6th) character of the SITE NO. is an "S"

and parameters under the "SITE CONFIGURATION" heading include both "S" (for SNOW PILLOW) and "SC" (for SNOW COURSE).

In such instances, the first 5 characters of the "SITE NO." identify the Snow Course. All 6 characters (including the suffix "S") identify the SNOTEL "SITE NO."





